

Application Number: 10/525,693
Amendment Dated: August 17, 2009
Office Action Dated April 15, 2009

AMENDMENTS TO THE SPECIFICATION

Please amend the paragraph of the specification located at page 4, line 3 through page 4, line 17:

The nanofibers may be made by any technique known for producing fibers with cross sections of nanoscale dimension. Electrospinning is particularly preferred for nanofiber materials capable of forming nanofibers through such a process. And it's well known that typical electrospinning processes can produce single nanofibers that are often collected onto a mandrel. The nanofibers may be coated with the optical materials through known techniques such as sol gel and vapor phase deposition. According to this invention, the nanofibers may also be doped with these optical materials, wherein it should be understood that by ~~doping~~ “doping” it is meant that the optical material is incorporated into the nanofiber, as opposed to being a surface coating, through either chemical or physical interaction between the fiber material and the optical material. Optical ~~coating~~ “coating”, thus, is not to be understood as being limited to surface coating and could include partial coatings or coatings in which a portion of the coating is imbedded in the surface. Further, doped nanofibers can be manufactured by incorporating the optical material into the electrospinable solution, and the resulting nanofiber has optical materials that are embedded or tethered into the nanofiber.